BiANCO NXT controls

# PRODUCT DATA SHEET

BIA-NXT-DPC3-40

811200




## PRODUCT DETAILS

The BiANCO NXT-DPC (Dual Pump Controller) is a module intended to control and protect a pair of three phase pumps up to a nominal 4.0 kW ea. The user can select a control logic sequence to match their application and enjoy the benefits of superior control and protection for the pump.

There are 3 primary control logic modes

- 'Drainage' where control is concentrated at the source
- 'Boosting' which references pressure switching for control
- 'Transfer' which is a mix of source and destination control

NXT-DPC has 2 x passive dry contacts and is equipped with a RS485 modbus interface to connect to a BMS

By digitally monitoring the running current, the response time of the BiANCO NXT DPC is superior to traditional analogue overload methods.

BiANCO NXT 2 YEAR WARRANTY

## PROTECTION FUNCTIONS

Protection functions can be set, enabled or disabled independently

- Over voltage
- Under voltage
- Dry Run (under current)
- Overload (over current)
- Pump stall
- Open phase protection
- Phase reversal (3 phase models only)
  Phase inbalance: input / output (3 phase models only)
- Pump 'Anti-seize' function (96 hr default)
- Last 5 error log

- Manual or Automatic operation
- NXT-DPC has an audible alarm and a flashing light to indicate an alarm state. It supports an external alarm unit
- Pump accumulated running time memory
- Pump start / stop delay time setting

## CONTROL INPUTS

- Switched input - float switch, pressure switch, temperature switching or relay input
- Level probe (capacitance type probes)
  OR
- 4-20mA level or pressure transmitter

## TECHNICAL DATA

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|---|---|
| **RATED VOLTAGE** | 3Ph 400V +10/-6% |
| **MAX. AMPERAGE** | 12 amps pre pump |
| **DEGREE OF PROTECTION** | I.P. 54 |
| **WORKING HUMIDITY** | 20% - 90% RH |

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|---|---|
| **POWER CABLE** | None - bare controller only |
| **OPERATING TEMPERATURE** | -25 degC to 55 deg C |
| **UNIT DIMENSIONS** | 342mm x 253mm x 130mm |
| **UNIT WEIGHT (NETT)** | 3.3kg approx |